





|  |                        |                     |  |
|--|------------------------|---------------------|--|
| <b>Issue Classification</b><br> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|  | 09/524,716             | WOLF ET AL.         |  |
|  | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|  | Frank I Choi           | 1616                |  |

| ISSUE CLASSIFICATION   |   |          |   |       |   |                                   |       |     |     |     |     |                             |  |
|--|---|----------|---|-------|---|-----------------------------------|-------|-----|-----|-----|-----|-----------------------------|--|
| ORIGINAL   |   |          |   |       | CROSS REFERENCE(S)  |                                   |       |     |     |     |     |                             |  |
| CLASS  |   | SUBCLASS |   |       | CLASS   | SUBCLASS (ONE SUBCLASS PER BLOCK) |       |     |     |     |     |                             |  |
| 514  |   | 23       |   |       | 424   | 601                               | 630   | 638 | 639 | 641 | 643 | 646                         |  |
| INTERNATIONAL CLASSIFICATION   |   |          |   |       | 424   | 655                               | 663   | 682 | 702 | 722 |     |                             |  |
| A  | 6 | 1        | K | 31/70 | 426   | 72                                | 73    | 74  | 601 | 648 | 656 | 658                         |  |
| A  | 6 | 1        | K | 38/00 | 514   | 2                                 | 23    | 52  | 54  | 167 | 168 | 251                         |  |
| A  | 2 | 3        | L | 1/09  | 514   | 255.05                            | 262.1 | 276 | 345 | 356 | 387 | 458                         |  |
| A  | 2 | 3        | L | 1/29  | 514   | 474                               | 556   | 563 | 567 | 570 | 574 | 578                         |  |
|  |   |          |   | /     | 514   | 642                               | 676   | 685 | 725 | 727 | 738 | 866                         |  |
|  3/20/2004<br>(Assistant Examiner) (Date) |   |          |   |       | <br><b>THURMAN K. PAGE</b><br><b>SUPERVISORY PATENT EXAMINER</b><br><b>TECHNOLOGY CENTER 1600</b><br>(Primary Examiner) (Date) |                                   |       |     |     |     |     | Total Claims Allowed: 4     |  |
|  |   |          |   |       |   |                                   |       |     |     |     |     | O.G.<br>Print Claim(s)<br>1 |  |
| (Legal Instruments Examiner) (Date)  |   |          |   |       |   |                                   |       |     |     |     |     |                             |  |

| <input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          |       |          |       |          |       |          |       |          | <input type="checkbox"/> CPA |          | <input checked="" type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |  |
|---|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|------------------------------|----------|--|----------|---------------------------------|--|
| Final   | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final                        | Original | Final                                    | Original |                                 |  |
|   | 1        |       | 31       |       | 61       |       | 91       |       | 121      |       | 151      |                              | 181      |  | 210      |                                 |  |
|   | 2        |       | 32       |       | 62       |       | 92       |       | 122      |       | 152      |                              | 182      |  |          |                                 |  |
|   | 3        |       | 33       |       | 63       |       | 93       |       | 123      |       | 153      |                              | 183      |  |          |                                 |  |
|   | 4        |       | 34       |       | 64       |       | 94       |       | 124      |       | 154      |                              | 184      |  |          |                                 |  |
|   | 5        |       | 35       |       | 65       |       | 95       |       | 125      |       | 155      |                              | 185      |  |          |                                 |  |
|   | 6        |       | 36       |       | 66       |       | 96       |       | 126      |       | 156      |                              | 186      |  |          |                                 |  |
|   | 7        |       | 37       |       | 67       |       | 97       |       | 127      |       | 157      |                              | 187      |  |          |                                 |  |
|   | 8        |       | 38       |       | 68       |       | 98       |       | 128      |       | 158      |                              | 188      |  |          |                                 |  |
|   | 9        |       | 39       |       | 69       |       | 99       |       | 129      |       | 159      |                              | 189      |  |          |                                 |  |
|   | 10       |       | 40       |       | 70       |       | 100      |       | 130      |       | 160      |                              | 190      |  |          |                                 |  |
|   | 11       |       | 41       |       | 71       |       | 101      |       | 131      |       | 161      |                              | 191      |  |          |                                 |  |
|   | 12       |       | 42       |       | 72       |       | 102      |       | 132      |       | 162      |                              | 192      |  |          |                                 |  |
|   | 13       |       | 43       |       | 73       |       | 103      |       | 133      |       | 163      |                              | 193      |  |          |                                 |  |
|   | 14       |       | 44       |       | 74       |       | 104      |       | 134      |       | 164      |                              | 194      |  |          |                                 |  |
|   | 15       |       | 45       |       | 75       |       | 105      |       | 135      |       | 165      |                              | 195      |  |          |                                 |  |
|   | 16       |       | 46       |       | 76       |       | 106      |       | 136      |       | 166      |                              | 196      |  |          |                                 |  |
|   | 17       |       | 47       |       | 77       |       | 107      |       | 137      |       | 167      |                              | 197      |  |          |                                 |  |
| 1   | 18       |       | 48       |       | 78       |       | 108      |       | 138      |       | 168      |                              | 198      |  |          |                                 |  |
| 2   | 19       |       | 49       |       | 79       |       | 109      |       | 139      |       | 169      |                              | 199      |  |          |                                 |  |
|   | 20       |       | 50       |       | 80       |       | 110      |       | 140      |       | 170      |                              | 200      |  |          |                                 |  |
|   | 21       |       | 51       |       | 81       |       | 111      |       | 141      |       | 171      |                              | 201      |  |          |                                 |  |
| 3   | 22       |       | 52       |       | 82       |       | 112      |       | 142      |       | 172      |                              | 202      |  |          |                                 |  |
|   | 23       |       | 53       |       | 83       |       | 113      |       | 143      |       | 173      |                              | 203      |  |          |                                 |  |
|   | 24       |       | 54       |       | 84       |       | 114      |       | 144      |       | 174      |                              | 204      |  |          |                                 |  |
| 4   | 25       |       | 55       |       | 85       |       | 115      |       | 145      |       | 175      |                              | 205      |  |          |                                 |  |
|   | 26       |       | 56       |       | 86       |       | 116      |       | 146      |       | 176      |                              | 206      |  |          |                                 |  |
|   | 27       |       | 57       |       | 87       |       | 117      |       | 147      |       | 177      |                              | 207      |  |          |                                 |  |
|   | 28       |       | 58       |       | 88       |       | 118      |       | 148      |       | 178      |                              | 208      |  |          |                                 |  |
|   | 29       |       | 59       |       | 89       |       | 119      |       | 149      |       | 179      |                              | 209      |  |          |                                 |  |
|   | 30       |       | 60       |       | 90       |       | 120      |       | 150      |       | 180      |                              | 210      |  |          |                                 |  |

|  |                 |              |  |
|--|-----------------|--------------|--|
| <b>Issue Classification</b><br> | Application No. | Applicant(s) |  |
|  | 09/524,716      | WOLF ET AL.  |  |
|  | Examiner        | Art Unit     |  |
|  | Frank I Choi    | 1616         |  |

| ISSUE CLASSIFICATION         |          |       |                                   |     |  |  |  |  |  |
|------------------------------|----------|-------|-----------------------------------|-----|--|--|--|--|--|
| ORIGINAL                     |          |       | CROSS REFERENCE(S)                |     |  |  |  |  |  |
| CLASS                        | SUBCLASS | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) |     |  |  |  |  |  |
| 514                          | 23       | 514   | 904                               | 905 |  |  |  |  |  |
| INTERNATIONAL CLASSIFICATION |          |       |                                   |     |  |  |  |  |  |
|                              | /        |       |                                   |     |  |  |  |  |  |
|                              | /        |       |                                   |     |  |  |  |  |  |
|                              | /        |       |                                   |     |  |  |  |  |  |
|                              | /        |       |                                   |     |  |  |  |  |  |
|                              | /        |       |                                   |     |  |  |  |  |  |

|  |  |                           |  |                         |                    |
|--|--|---------------------------|--|-------------------------|--------------------|
| <i>Frank Choi</i> 3/20/2004<br>(Assistant Examiner) (Date) |  |                           |  | Total Claims Allowed: 4 |                    |
|  |  |                           |  | O.G.<br>Print Claim(s)  | O.G.<br>Print Fig. |
| (Legal Instruments Examiner) (Date)                        |  | (Primary Examiner) (Date) |  | 1                       | NONE               |

|  |          |       |          |       |                              |       |          |       |          |  |          |       |          |       |                                 |  |  |  |  |
|--|----------|-------|----------|-------|------------------------------|-------|----------|-------|----------|--|----------|-------|----------|-------|---------------------------------|--|--|--|--|
| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          |       | <input type="checkbox"/> CPA |       |          |       |          | <input checked="" type="checkbox"/> T.D. |          |       |          |       | <input type="checkbox"/> R.1.47 |  |  |  |  |
| Final  | Original | Final | Original | Final | Original                     | Final | Original | Final | Original | Final                                    | Original | Final | Original | Final | Original                        |  |  |  |  |
|  | 211      |       | 241      |       | 271                          |       | 301      |       | 331      |  | 361      |       | 391      |       | 420                             |  |  |  |  |
|  | 212      |       | 242      |       | 272                          |       | 302      |       | 332      |  | 362      |       | 392      |       |                                 |  |  |  |  |
|  | 213      |       | 243      |       | 273                          |       | 303      |       | 333      |  | 363      |       | 393      |       |                                 |  |  |  |  |
|  | 214      |       | 244      |       | 274                          |       | 304      |       | 334      |  | 364      |       | 394      |       |                                 |  |  |  |  |
|  | 215      |       | 245      |       | 275                          |       | 305      |       | 335      |  | 365      |       | 395      |       |                                 |  |  |  |  |
|  | 216      |       | 246      |       | 276                          |       | 306      |       | 336      |  | 366      |       | 396      |       |                                 |  |  |  |  |
|  | 217      |       | 247      |       | 277                          |       | 307      |       | 337      |  | 367      |       | 397      |       |                                 |  |  |  |  |
|  | 218      |       | 248      |       | 278                          |       | 308      |       | 338      |  | 368      |       | 398      |       |                                 |  |  |  |  |
|  | 219      |       | 249      |       | 279                          |       | 309      |       | 339      |  | 369      |       | 399      |       |                                 |  |  |  |  |
|  | 220      |       | 250      |       | 280                          |       | 310      |       | 340      |  | 370      |       | 400      |       |                                 |  |  |  |  |
|  | 221      |       | 251      |       | 281                          |       | 311      |       | 341      |  | 371      |       | 401      |       |                                 |  |  |  |  |
|  | 222      |       | 252      |       | 282                          |       | 312      |       | 342      |  | 372      |       | 402      |       |                                 |  |  |  |  |
|  | 223      |       | 253      |       | 283                          |       | 313      |       | 343      |  | 373      |       | 403      |       |                                 |  |  |  |  |
|  | 224      |       | 254      |       | 284                          |       | 314      |       | 344      |  | 374      |       | 404      |       |                                 |  |  |  |  |
|  | 225      |       | 255      |       | 285                          |       | 315      |       | 345      |  | 375      |       | 405      |       |                                 |  |  |  |  |
|  | 226      |       | 256      |       | 286                          |       | 316      |       | 346      |  | 376      |       | 406      |       |                                 |  |  |  |  |
|  | 227      |       | 257      |       | 287                          |       | 317      |       | 347      |  | 377      |       | 407      |       |                                 |  |  |  |  |
|  | 228      |       | 258      |       | 288                          |       | 318      |       | 348      |  | 378      |       | 408      |       |                                 |  |  |  |  |
|  | 229      |       | 259      |       | 289                          |       | 319      |       | 349      |  | 379      |       | 409      |       |                                 |  |  |  |  |
|  | 230      |       | 260      |       | 290                          |       | 320      |       | 350      |  | 380      |       | 410      |       |                                 |  |  |  |  |
|  | 231      |       | 261      |       | 291                          |       | 321      |       | 351      |  | 381      |       | 411      |       |                                 |  |  |  |  |
|  | 232      |       | 262      |       | 292                          |       | 322      |       | 352      |  | 382      |       | 412      |       |                                 |  |  |  |  |
|  | 233      |       | 263      |       | 293                          |       | 323      |       | 353      |  | 383      |       | 413      |       |                                 |  |  |  |  |
|  | 234      |       | 264      |       | 294                          |       | 324      |       | 354      |  | 384      |       | 414      |       |                                 |  |  |  |  |
|  | 235      |       | 265      |       | 295                          |       | 325      |       | 355      |  | 385      |       | 415      |       |                                 |  |  |  |  |
|  | 236      |       | 266      |       | 296                          |       | 326      |       | 356      |  | 386      |       | 416      |       |                                 |  |  |  |  |
|  | 237      |       | 267      |       | 297                          |       | 327      |       | 357      |  | 387      |       | 417      |       |                                 |  |  |  |  |
|  | 238      |       | 268      |       | 298                          |       | 328      |       | 358      |  | 388      |       | 418      |       |                                 |  |  |  |  |
|  | 239      |       | 269      |       | 299                          |       | 329      |       | 359      |  | 389      |       | 419      |       |                                 |  |  |  |  |
|  | 240      |       | 270      |       | 300                          |       | 330      |       | 360      |  | 390      |       | 420      |       |                                 |  |  |  |  |